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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541,759	06/02/2006	Taichiro Miyao	SHO-0110	3910
23353	7590	10/02/2006	EXAMINER	
RADER FISHMAN & GRAUER PLLC LION BUILDING 1233 20TH STREET N.W., SUITE 501 WASHINGTON, DC 20036			HYEON, HAE M	
			ART UNIT	PAPER NUMBER
			2839	

DATE MAILED: 10/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/541,759	MIYAO ET AL.	
	Examiner Hae M. Hyeon	Art Unit 2839	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 02 June 2006.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-14 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-14 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 02 June 2006 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 10/12/05.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
 5) Notice of Informal Patent Application
 6) Other: _____.

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Objections

2. Claims 6-8 and 10-14 are objected to because of the following informalities: Claims 6-8 and 10-14, the word “**locking part**” is misspelled as “locking **par**” or “locking **pa**.” For example, claim 6, line 4 recites, “locking **par**” and claim 7, line 4 recites, “locking **pa**.” Appropriate correction is required.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-14 are rejected under 35 U.S.C. 103(a) as being unpatentable over Masashi et al (JP 200-347073) in view of O'Connor (US 4,688,875).

Masashi discloses an optical receptacle 30 comprising a tubular main housing 50 having a connection opening part 53 and an elastic claw 64 within the main housing 50 which extends towards the connection opening part 53; and a socket housing 80 for holding an optical element 89 inserted and attached to the main housing 50, wherein the socket housing 80 is formed from

synthetic resin material containing conductive carbon filler and is electrically conductive between the optical element 89 and the printed board (not shown). However, Masashi does not disclose the main housing 50 having an elastic locking part and the socket housing 80 having a locking slotted pin for locking onto the printed board. Masashi only discloses pins 97 extending outwardly from the main housing 50 for mounting on the printed board.

O'Connor discloses a receptacle 100 comprising a main housing 110 having four elastic locking parts 127, wherein each elastic locking part 127 comprises a main body 128 and a locking part 129 protrudes from the main body 128 and locked to a locking hole of a printed board 300. One pair of the elastic locking parts 127 is on one side of the main housing 110 and the other pair of the elastic locking parts 127 is on the opposite side of the main housing 110. Two pairs of the elastic locking parts 127 are aligned and parallel to each other. Also, each elastic locking part 127 is split longitudinally along the main body 128 whereby the sides of low portion can be deflected inwardly to permit it to pass through the hole of the printed board 300 and then return to an undeflected state when the main body 128 is positioned within the hole to secure the receptacle 100 to the printed board 300. Furthermore, the locking parts 129 extending inwardly to the main housing 110 are facing each other and the locking parts 129 extending outwardly to the main housing 110 are facing in the opposite direction of each other.

It would have been obvious at the time the invention was made to a person having ordinary skill in the art to modify a main housing and a socket housing of the optical receptacle taught by Masashi such that it would have an elastic locking part as taught by O'Connor because the elastic locking part would securely fix the main housing and the socket housing of the optical receptacle on a printed board. Furthermore, the use of an elastic locking part through a hole on a surface is one of the well-known methods of fixing a body on the surface.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patent No. 4,457,570 by Bogese, II, US Patent No. 6,312,293 B1 by Wang, US Patent No. 6,499,889 B1 by Shirakawa et al., US Patent No. 6,558,045 B2 by Yamaguchi and US Patent No. 6,588,947 B2 by Mine et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hae M. Hyeon whose telephone number is 571-272-2093. The examiner can normally be reached on Mon.-Fri. (8:30-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on (571) 272-2098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hae M Hyeon
Primary Examiner
Art Unit 2839

hmh

hmh

Hae Moon Hyeon